

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT7021043

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
LAWRENCE G SCANLON	12/19/2020
WILLIAM A FELD	12/21/2020
LEAH R LUCENTE	10/06/2021
JACOB W LAWSON	10/06/2021
RECEIVING PARTY DATA	
Name:	GOVERNMENT OF THE UNITED STATES, AS REPRESENTED BY THE SECRETARY OF THE AIR FORCE
Street Address:	2240 B STREET
Internal Address:	BLDG 11, RM AFMCLO/JAZ
City:	WRIGHT-PATTERSON AFB
State/Country:	OHIO
Postal Code:	45433
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	17524794
CORRESPONDENCE DATA	
Fax Number:	(937)255-3733
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>	
Phone:	937-904-5077
Email:	afmclo.jaz.1@us.af.mil
Correspondent Name:	GOVERNMENT OF THE UNITED STATES, AS REPRESENTED BY
Address Line 1:	2240 B STREET
Address Line 2:	BLDG 11, RM AFMCLO/JAZ
Address Line 4:	WRIGHT-PATTERSON AFB, OHIO 45433
ATTORNEY DOCKET NUMBER:	AFD 2089
NAME OF SUBMITTER:	JAMES F. MCBRIDE
SIGNATURE:	/James F. McBride/
DATE SIGNED:	11/12/2021
Total Attachments: 6	

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INVENTOR ASSIGNMENT AND DECLARATION

WHEREAS, I, William A. Feld, jointly made or contributed to an invention, as described in invention disclosure invention disclosure AFD 2089 entitled "Electronic Connection in an All-Solid State Battery at the Anode/Electrolyte Interface," to be filed as an application for Letters Patent of the United States (Application Serial Number 17524794, filed 12 November 2021), and I hereby authorize and request Air Force Patent Counsel to insert here in the above parentheses (Application Serial Number, filed) the filing date and application number of said application when known;

WHEREAS, The above-identified application for Letters Patent was made or authorized to be made by me;

WHEREAS, I believe that I am an original joint inventor of a claimed invention in the application;

WHEREAS, I hereby acknowledge that any willful false statement made in this Declaration/Assignment is punishable under 18 U.S.C. § 1001 by fine, imprisonment of not more than five (5) years, or both; and

WHEREAS, I, William A. Feld, have indicated my intention to NOT elect title and NOT file an application for Letters Patent on the aforesaid invention.

NOW, THEREFORE, to all whom it may concern, by agreement or in consideration of the premises and other valuable consideration, I, William A. Feld, elect herein to:

HEREBY HAVE SOLD, ASSIGNED, AND TRANSFERRED, and by these presents do sell, assign, and transfer unto the Government of the United States as represented by the Secretary of the Air Force, my entire right, title, and interest, in and to the aforesaid invention described in the invention disclosure, all subsequent information to support that aforesaid invention, and the resulting application for Letters Patent of the United States including all Letters Patent issuing thereon, and any continuations, continuations-in-part, divisions, and reissues or extensions thereof; and all patent applications claiming priority resulting from the filing of the aforesaid application for patent in the United States in any jurisdiction throughout the world;

HEREBY AUTHORIZE AND REQUEST any official whose duty it is to issue patents, to issue any patent thereon to the Government of the United States, as represented by the Secretary of the Air Force, and his successors, as assignee of my entire right, title, and interest in and to the same, for the sole use for the full term or terms for which said patents and any continuations, continuations-in-part, divisions, and reissues or extensions thereof are, or may be, granted as fully and entirely as the same would have been held by me had this Assignment not been made; and

HEREBY AGREE to execute, and assist with executing, any and all applications for Letters Patent, to furnish all data and documents and to execute any papers which may be necessary or convenient for the preparation, filing, or prosecution of such applications, except it is understood that I, William A. Feld, shall not be subject to any out-of-pocket expense relative to such action.

William A. Feld
William A. Feld

SUBSCRIBED AND ACKNOWLEDGED before me by William A. Feld this 21 day of December 2020, at the city of Beavercreek in the County of Greene and State of Ohio.



HEATHER MCMULLEN
Notary Public
State of Ohio
My Comm. Expires
November 18, 2024

Heather McMullen
Notary Public

ASSIGNMENT
(Contractor Inventor)

WHEREAS, I, LEAH R. LUCENTE, while employed by UDRI ("Contractor"), jointly made or contributed to an invention under contract/subcontract number FA8650-19D-2905, as described in invention disclosure AFD 2089 entitled "ELECTRONIC CONNECTION IN AN ALL-SOLID STATE BATTERY AT THE ANODE/ELECTROLYTE INTERFACE," to be filed as an application for Letters Patent of the United States (Application Serial Number 17524794, filed 12 November 2021), and I hereby authorize and request Air Force Patent Counsel to insert here in the above

parentheses (Application Serial Number, filed) the filing date and application number of said application when known;

WHEREAS, The above-identified application for Letters Patent was made or authorized to be made by me;

WHEREAS, I believe that I am an original joint inventor of a claimed invention in the application;

WHEREAS, I hereby acknowledge that any willful false statement made in this Declaration/Assignment is punishable under 18 U.S.C. § 1001 by fine, imprisonment of not more than five (5) years, or both; and

WHEREAS, Contractor and/or I, LEAH R. LUCENTE, has indicated its intention to NOT elect title and NOT file an application for Letters Patent on the aforesaid invention.

NOW, THEREFORE, to all whom it may concern, be it known that in recognition of my obligation to the Government of the United States under the above contract and by agreement, or in consideration of the premises and other valuable consideration, I, LEAH R. LUCENTE, elect herein to:

HEREBY HAVE SOLD, ASSIGNED, AND TRANSFERRED, and by these presents do sell, assign, and transfer unto the Government of the United States as represented by the Secretary of the Air Force, my entire right, title, and interest, in and to the aforesaid invention described in the invention disclosure, all subsequent information to support that aforesaid invention, and the resulting application for Letters Patent of the United States including all Letters Patent issuing thereon, and any continuations, continuations-in-part, divisions, and reissues or extensions thereof; and all patent applications claiming priority resulting from the filing of the aforesaid application for patent in the United States in any jurisdiction throughout the world, subject to the reservation of any license to which Contractor and/or I, LEAH R. LUCENTE, may be entitled under the above contract;

HEREBY AUTHORIZE AND REQUEST any official whose duty it is to issue patents, to issue any patent thereon to the Government of the United States, as represented by the Secretary of the Air Force, and his successors, as assignee of my entire right, title, and interest in and to the same, for the sole use for the full term or terms for which said patents and any continuations, continuations-in-part, divisions, and reissues or extensions thereof are, or may be, granted as fully and entirely as the same would have been held by me had this Assignment not been made; and

HEREBY AGREE to execute, and assist with executing, any and all applications for Letters Patent, to furnish all data and documents and to execute any papers which may be necessary or convenient for the preparation, filing, or prosecution of such applications, except it is understood that Contractor and/or I, LEAH R. LUCENTE, shall not be subject to any out-of-pocket expense relative to such action.

Contractor joins in and agrees to this assignment and, except for the reservation of any license under the above contract, relinquishes, and assigns to the Government of the United States, as represented by the Secretary of the Air Force its entire right, title, and interest throughout the world in and to such inventions, and further agrees to furnish to the Government of the United States, upon request, any available information and documents necessary for the timely preparation, filing, and prosecution of such applications, for Letters Patent.


LEAH R. LUCENTE

SUBSCRIBED AND ACKNOWLEDGED before me by LEAH R. LUCENTE this 6th day of October 2021, at the city of Fawn born in the County of Greene and State of Ohio



SANDRA ELAINE SMITH
Notary Public, State of Ohio
My Commission Expires 08-30-2025



Notary Public

CONTRACTOR CERTIFICATION

I certify that I am an Officer or Agent of Contractor herein, and that LEAH R. LUCENTE, who signed this assignment on behalf of Contractor, was an employee of said Contractor at the time of invention and was authorized to sign this assignment on his/her own behalf. Contractor, further, herein assigns its rights as the employer of LEAH R. LUCENTE to the Government of the United States as represented by the Secretary of the Air Force, consistent with our rights and obligations under contract and statute, subject to the reservation to Contractor of any license to which Contractor may be entitled under the above contract or statute. This assignment is duly signed below by Contractor's Officer or Agent for and on behalf of said Contractor by authority of its governing body, and is within the scope of the Officer's or Agent's corporate powers.

FOR CONTRACTOR

Contractor: UDRI

By: 
(Signature of officer or agent)

Date: 10/25/2021

Printed Name: Matthew Willenbrind

Title: Director - OTEP

Business Address: 300 Colley Park, Dayton, OH 45455

Business Phone: 937-229-3472

**ASSIGNMENT
(Contractor Inventor)**

WHEREAS, I, JACOB W. LAWSON, while employed by **UDRI** ("Contractor"), jointly made or contributed to an invention under contract/subcontract number **FA8650-19D-2905**, as described in invention disclosure **AFD 2089** entitled "**ELECTRONIC CONNECTION IN AN ALL-SOLID STATE BATTERY AT THE ANODE/ELECTROLYTE INTERFACE**," to be filed as an application for Letters Patent of the United States (Application Serial Number 17524794), filed 12 November 2021), and I hereby authorize and request Air Force Patent Counsel to insert here in the above parentheses (Application Serial Number, filed) the filing date and application number of said application when known;

WHEREAS, The above-identified application for Letters Patent was made or authorized to be made by me;

WHEREAS, I believe that I am an original joint inventor of a claimed invention in the application;

WHEREAS, I hereby acknowledge that any willful false statement made in this Declaration/Assignment is punishable under 18 U.S.C. § 1001 by fine, imprisonment of not more than five (5) years, or both; and

WHEREAS, Contractor and/or I, **JACOB W. LAWSON**, has indicated its intention to **NOT** elect title and **NOT** file an application for Letters Patent on the aforesaid invention.

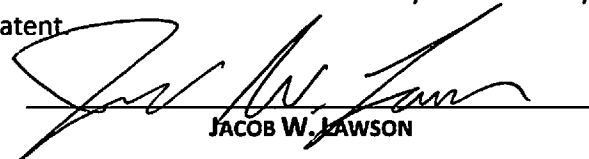
NOW, THEREFORE, to all whom it may concern, be it known that in recognition of my obligation to the Government of the United States under the above contract and by agreement, or in consideration of the premises and other valuable consideration, I, **JACOB W. LAWSON**, elect herein to:

HEREBY HAVE SOLD, ASSIGNED, AND TRANSFERRED, and by these presents do sell, assign, and transfer unto the Government of the United States as represented by the Secretary of the Air Force, my entire right, title, and interest, in and to the aforesaid invention described in the invention disclosure, all subsequent information to support that aforesaid invention, and the resulting application for Letters Patent of the United States including all Letters Patent issuing thereon, and any continuations, continuations-in-part, divisions, and reissues or extensions thereof; and all patent applications claiming priority resulting from the filing of the aforesaid application for patent in the United States in any jurisdiction throughout the world, subject to the reservation of any license to which Contractor and/or I, **JACOB W. LAWSON**, may be entitled under the above contract;

HEREBY AUTHORIZE AND REQUEST any official whose duty it is to issue patents, to issue any patent thereon to the Government of the United States, as represented by the Secretary of the Air Force, and his successors, as assignee of my entire right, title, and interest in and to the same, for the sole use for the full term or terms for which said patents and any continuations, continuations-in-part, divisions, and reissues or extensions thereof are, or may be, granted as fully and entirely as the same would have been held by me had this Assignment not been made; and

HEREBY AGREE to execute, and assist with executing, any and all applications for Letters Patent, to furnish all data and documents and to execute any papers which may be necessary or convenient for the preparation, filing, or prosecution of such applications, except it is understood that Contractor and/or I, **JACOB W. LAWSON**, shall not be subject to any out-of-pocket expense relative to such action.

Contractor joins in and agrees to this assignment and, except for the reservation of any license under the above contract, relinquishes, and assigns to the Government of the United States, as represented by the Secretary of the Air Force its entire right, title, and interest throughout the world in and to such inventions, and further agrees to furnish to the Government of the United States, upon request, any available information and documents necessary for the timely preparation, filing, and prosecution of such applications, for Letters Patent



JACOB W. LAWSON

SUBSCRIBED AND ACKNOWLEDGED before me by **JACOB W. LAWSON** this 6th day of October 2021, at the city of Beaver Creek in the County of Greene and State of Ohio.



KARA BURNS
Notary Public, State of Ohio
My Commission Expires
March 4, 2024



Notary Public

CONTRACTOR CERTIFICATION

I certify that I am an Officer or Agent of Contractor herein, and that JACOB W. LAWSON, who signed this assignment on behalf of Contractor, was an employee of said Contractor at the time of invention and was authorized to sign this assignment on his/her own behalf. Contractor, further, herein assigns its rights as the employer of JACOB W. LAWSON to the Government of the United States as represented by the Secretary of the Air Force, consistent with our rights and obligations under contract and statute, subject to the reservation to Contractor of any license to which Contractor may be entitled under the above contract or statute. This assignment is duly signed below by Contractor's Officer or Agent for and on behalf of said Contractor by authority of its governing body, and is within the scope of the Officer's or Agent's corporate powers.

FOR CONTRACTOR

Contractor: UDRI

By: 
(Signature of officer or agent)

Date: 10/27/2021

Printed Name: Matthew Willembrink

Title: Director - OTEP

Business Address: 300 College Park, Dayton, OH

Business Phone: 937-229-3472

**ASSIGNMENT
(Government Inventor)**

WHEREAS, I, LAWRENCE G. SCANLON JR., while employed by the Government of the United States, made or contributed to an invention described in invention disclosure **AFD 2089** entitled "**Electronic Connection in an All-Solid State Battery at the Anode/Electrolyte Interface**," to be filed as an application for Letters Patent of the United States (Application Serial Number 17524794, filed 12 November 2021), and I hereby authorize and request Air Force Patent Counsel to insert here in the above parentheses (Application Serial Number, filed) the filing date and application number of said application when known;

WHEREAS, The above-identified application for Letters Patent was made or authorized to be made by me;

WHEREAS, I believe that I am an original joint inventor of a claimed invention in the application;

WHEREAS, I hereby acknowledge that any willful false statement made in this Declaration/Assignment is punishable under 18 U.S.C. § 1001 by fine, imprisonment of not more than five (5) years, or both; and

WHEREAS, the conditions under which said invention was made are such as to entitle the Government of the United States as represented by the Secretary of the Air Force, under Paragraph 1(a) of Executive Order 10096, to the entire right, title, and interest therein, including foreign rights.

NOW, THEREFORE, to all whom it may concern, be it known that for and in consideration of the premises and other valuable considerations, **I, LAWRENCE G. SCANLON JR.:**

HEREBY HAVE SOLD, ASSIGNED, AND TRANSFERRED, and by these presents do sell, assign, and transfer unto the Government of the United States as represented by the Secretary of the Air Force, my entire right, title, and interest, in and to the aforesaid invention described in the invention disclosure, all subsequent information to support that aforesaid invention, and the resulting application for Letters Patent of the United States including all Letters Patent issuing thereon, and any continuations, continuations-in-part, divisions, and reissues or extensions thereof; and all priority resulting from the filing of the aforesaid application for patent in the United States;

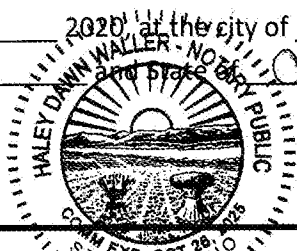
HEREBY AUTHORIZE AND REQUEST any official whose duty it is to issue patents, to issue any patent thereon to the Government of the United States, as represented by the Secretary of the Air Force, and his successors, as assignee of my entire right, title, and interest in and to the same, for the sole use for the full term or terms for which said patents and any continuations, continuations-in-part, divisions, and reissues or extensions thereof are, or may be, granted as fully and entirely as the same would have been held by me had this Assignment not been made;

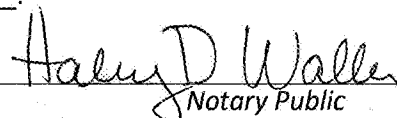
HEREBY ALSO GRANT to the Government of the United States, as represented by the Secretary of the Air Force, the option to take the entire right, title, and interest in the invention or all applications for Letters Patent thereon in all countries or jurisdictions foreign to the United States in which the Government of the United States may file, or cause to be filed, applications for Letters Patent, without payment to me of any further consideration; provided, however, that this grant of an option to take foreign rights in the invention must be exercised by written notice to me within eight months of the first filing date of any application for United States Letters Patent covering the invention or within eight months from the declassification of the invention, whichever is later, and that all foreign rights not exercised under the option are left to me, subject to a nonexclusive, irrevocable, royalty-free license to the Government of the United States in any patent which may issue on said invention in any country or jurisdiction foreign to the United States, including the power to issue sublicenses for use on behalf of the Government of the United States and/or in furtherance of the foreign policies of the United States of America; and

HEREBY AGREE to execute any and all applications for Letters Patent, and to furnish all data and documents and to execute any papers which may be necessary or convenient for the preparation, filing, or prosecution of such applications, except it is understood that I shall not be subject to any out-of-pocket expense relative to such action.


LAWRENCE G. SCANLON JR.

SUBSCRIBED AND ACKNOWLEDGED before me by LAWRENCE G. SCANLON JR. this 19 day of December 2020 at the city of Fairborn in the County of Greene and State of Ohio




Haley Dawn Waller
Notary Public

PATENT